

DATE: November 17, 2003

SHEET 1 of 6

Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 6755.US.D1	SERIAL NO. <u>10/714,689</u>
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT(S) Sheng C. Lou, et al.	
		FILING DATE November 17, 2003	GROUP <u>1648</u>
(37 CFR 1.98 (b))			

U.S.PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	INVENTOR	CLASS	SUB CLASS	FILING DATE
<i>J</i>	A1	5612453 A	03/18/1997	Wolf Hans, et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLIC-ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS-LATION YES NO
<i>J</i>	B1	9014358 A	11/29/1990	PCT			
<i>J</i>	B2	034561 A	12/13/1989	EPO			
<i>J</i>	B3	19727943	09/24/1998	DE			
<i>J</i>	B4	9840744	09/17/1998	PCT Abstract			

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

<i>J</i>	C1	Niedrig, M. et al., "Characterization of Murine Monoclonal Antibodies Directed Against the core Proteins of Human Immunodeficiency Virus Types 1 and 2," <i>Journal of Virology</i> , 65/8:4529-4533 (1991)
<i>J</i>	C2	Minasian, A.A. et al., "Monoclonal Antibodies Against Human Immunodeficiency Virus HIV Type 2 Core Proteins Cross-Reactivity With HIV Type 1 and Simian Immunodeficiency Virus," <i>Proceedings of the national Academy of Sciences of the United States</i> , 6/18:6939-6943 (1988)
<i>J</i>	C3	Zolla-Pazner, Susan, et al., "The Implication of Antigenic Diversity for Vaccine Development," <i>Immunology Letters</i> , 66/1-3: 159-164 (1999-03)

EXAMINER	DATE CONSIDERED
<i>J</i>	<u>01/23/06</u>

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(Modified) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

6755.US.DI

SERIAL NO.

101714,689

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S)

Sheng C. Lou, et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	INVENTOR	CLASS	SUB CLASS	FILING DATE
J	A1 4,886,742	12-12-89	Kortright, et al.			
	A2 4,888,290	12-19-89	Kortright, et al.			
	A3 5,173,399	12-22-92	Mehta, et al.			
	A4 5,210,181	05-11-93	Butman, et al.			
	A5 5,514,541	05-07-96	Butman, et al.			
▼	A6 5,731,189	03-24-98	Zolla-Pazner, et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLIC-ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANSLATION YES	NO
J	B1 EP 0519866A1	12-23-92	EPO				
	B2 WO 93/21346	10-28-93	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

J	C1	Allain, et al., <i>The Lancet, Serological Markers in Early Stages of Human Immunodeficiency Virus Infection in Haemophiliacs</i> , ii:1233-1236 (1986)
	C2	Barin, et al., <i>Science, Virus Envelope Protein of HTLV-III Represents Major Target Antigen for Antibodies in AIDS Patients</i> , 228:1094-1096 (1985)
	C3	Barin, et al., <i>The Lancet, Serological Evidence for Virus Related to Simian T-Lymphotropic Retrovirus III in Residents of West Africa</i> , 2:1387-1389 (1985)
	C4	Bowen, et al., <i>Annals of Internal Medicine, Transmission of Human Immunodeficiency Virus (HIV) by Transplantation: Clinical Aspects and Time Course Analysis of Viral Antigenemia and Antibody Production</i> , Ann. Of Int. Med. 108:46-48 (1988)
	C5	R.H. Burdon and P.H. van Knippenberg, eds. Vol. 15 Elsevier, Amsterdam
	C6	Charneau, et al., <i>Virology, Isolation and Envelope Sequence of a Highly Divergent HIV-1 Isolate: Definition of a New HIV-1 Group</i> , 205:247-253 (1994)
	C7	Clavel, et al., <i>Science, Isolation of a New Human Retrovirus from West Africa Patients with AIDS</i> , 233:343-346 (1986)
▼	C8	Clavel, et al., <i>Nature, Molecular Cloning and Polymorphism of the Human Immune Deficiency Virus Type 2</i> , 324:691-695 (1986)

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C9	Coffin, <u>Science</u> , <i>HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis and Therapy</i> , 267:483-489 (1995)
C10	Courouce, et al., <i>La Gazette de la Transfusion</i> N°155-Mars-Avril (1999)
C11	Dawson, et al., <i>The Journal of Infectious Diseases</i> , <i>Reliable Detection of Individuals Seropositive for the Human Immunodeficiency Virus (HIV) by Competitive Immunoassays Using Escherichia Coli-Expressed HIV Structural Proteins</i> , 157:149-155 (1988)
C12	Devare, et al., <u>Human Immunodeficiency Virus: Innovative Techniques</u> , Monograph in <i>Virology, Diagnosis and Monitoring of HIV-1 and HIV-2 Infection</i> , J.L. Melnick (ed.) Basel, Karger, vol. 18: 105-121 (1990)
C13	Euler, et al., <u>Clinical and Experimental Immunology</u> , <i>Precipitable Immune Complexes in Healthy Homosexual Men, Acquired Immune Deficiency Syndrome and the Related Lymphadenopathy Syndrome</i> , 59:267-275 (1985)
C14	Gao, F., et al., <u>Nature</u> , <i>Origin of HIV-1 in the Chimpanzee Pan Troglodytes Troglodytes</i> , 397:436-441 (1999)
C15	Gonda, et al., <u>Science</u> , <i>Sequence Homology and Morphologic Similarity of HTLV-III and Visna Virus, a Pathogenic Lentivirus</i> , 277:177-179 (1985)
C16	Goudsmit, et al., <u>The Lancet</u> , <i>Expression of Human Immunodeficiency Virus Antigen (HIV-Ag) In Serum and Cerebrospinal Fluid During Acute and Chronic Infection</i> , ii:177-180 (1986)
C17	Griffith, et al., <u>Journal of Clinical Microbiology</u> , <i>Stability of Free and Complexed Human Immunodeficiency Virus Type 1 and Antigen at 4 °C and at Room Temperature</i> , 33:1348-1350 (1995)
C18	Gupta, et al., <u>New England Journal of Medicine</u> , <i>Correspondence: Circulating Immune Complexes in AIDS</i> , 310:1530-1531 (1984)
C19	Gurtler, et al., <u>Journal of Virological Methods</u> , <i>Reactivity of Five Anti-HIV-1 Subtype O Specimens with Six Different Anti-HIV Screening ELISAs and Three Immunoblots</i> , 51:177-184 (1995)
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C21	Gurtler, et al., <u>Journal of Virological Methods</u> , <i>A New Subtype of Human Immunodeficiency Virus Type I (MVP-5180) From Cameroon</i> , 68:1581-1585 (1994)
C22	Guyader, et al., <u>Nature</u> , <i>Genome Organization and Transactivation of the Human Immunodeficiency Virus Type 2</i> , 326:662-669 (1987)
C23	Haesevelde, et al., <u>Journal of Virology</u> , <i>Genomic Cloning and Complete Sequence Analysis of a Highly Divergent African Human Immunodeficiency Virus Isolate</i> , 68:1586-1596 (1994)

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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

C24	Hunt, et al., <u>AIDS Research and Human Retroviruses, Envelope Sequence Variability and Serologic Characterization of HIV Type I Group O Isolates from Equatorial Guinea</u> , 13:995-1005 (1997)
C25	Kageyama, et al., <u>Journal of Virological Methods, An Improved Method for the Detection of HIV Antigen in the Blood of Carriers</u> , 22:125-131 (1988)
C26	Kanki, et al., <u>Science, New Human T-Lymphotropic Retrovirus Related to Simian T-Lymphotropic Virus Type III (STLV-IIIAGM)</u> , 232:238-243 (1986)
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C28	Karush, F. In <u>Comprehensive Immunology</u> , ed. R.A. Good, S.B. Day, <u>The Affinity of Antibody: Range, Variability and the Role of Multivalence</u> , 5:85-116 (1978)
C29	Kenny, et al., <u>The Lancet, HIV Antigen Testing</u> , 1(8532):565-566 (1987)
C30	Kessler, et al., <u>JAMA, Diagnosis of Human Immunodeficiency Virus Infection in Seronegative Homosexuals Presenting with an Acute Viral Syndrome</u> , 258:1196-1199 (1987)
C31	Ly, et al., <u>Journal of Clinical Microbiology, Contribution of Combined Detection Assays of P-24 Antigen and Anti-Human Immunodeficiency Virus (HIV) Antibodies in Diagnosis of Primary HIV Infection by Routine Testing</u> , 38(6): 2459-2461 (2000)
C32	Mariuzza, et al., <u>Rev. Biophys. Chem., The Structural Basis of Antigen-Antibody Recognition</u> , 16:139-159 (1987)
C33	Mathiesen, et al., <u>Journal of Virological Methods, Acid Hydrolysis of Serum Samples to Increase Detection of HIV Antigen</u> , 22:143-148 (1988)
C34	Mauclere, P. <u>AIDS, Serological and Virological Characterization of HIV-I Group O Infection in Cameroon</u> , 11:445-453 (1997)
C35	Mellors, et al., <u>Science Prognosis in HIV-I Infection Predicted by the Quantity of Virus in Plasma</u> , 275:1167-1170 (1996)
C36	Meyerhans, et al., <u>Cell, Temporal Fluctuations in HIV Quasispecies in Vivo are not Reflected by Sequential HIV Isolations</u> , 58:901-910 (1989)
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

C38	Mulder, et al., <u>Journal of Clinical Microbiology</u> , <u>Rapid and Simple PCR Assay for Quantitation of Human Immunodeficiency Virus Type I RNA in Plasma: Application to Acute Retroviral Infection</u> , 32:292-300 (1994)
C39	Phair, <u>JAMA</u> , <u>Human Immunodeficiency Virus Antigenemia</u> , 258:p1218 (1987)
C40	Robertson, et al., <u>Nature</u> , <u>Recombination of HIV-I</u> , 374:124-126 (1995)
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C42	Sarnagdharan, et al., <u>Science</u> , <u>Antibodies Reactive with Human T-Lymphotropic Retroviruses (HTLV-III) in the Serum of Patients with AIDS</u> , 224:506-508 (1984)
C43	Schochetman, et al., <u>Aids Testing</u> , Springer-Verlag, New York, Berlin, Heidelberg
C44	Schulz, et al., <u>The Lancet</u> , <u>Envelope Gene-Derived Recombinant Peptide in the Serodiagnosis of Human Immunodeficiency Virus Infection</u> , 2:111-112 (1986)
C45	Schupbach, et al., <u>AIDS</u> , <u>Heat-Mediated Immune Complex Dissociation and Enzyme-Linked Immunosorbent Assay Signal Amplification Render p24 Antigen Detection in Plasma as Sensitive as HIV-1 RNA Detection by Polymerase Chain Reaction</u> , 10:1085-1090 (1996)
C46	Sharp, et al., <u>Biological Bulletin</u> , <u>Origins and Evolution of AIDS Viruses</u> , 196:338-342 (1999)
C47	Simmonds, et al., <u>Journal of Virology</u> , <u>Human Immunodeficiency Virus-Infected Individuals Contain Provirus in Small Numbers of Peripheral Mononuclear Cells and a Low Copy Numbers</u> , 64(2):864-872 (1990)
C48	Steindl, et al., <u>Journal of Immunological Methods</u> , <u>A Simple and Robust Method for the Complete Dissociation of HIV-1 p24 and Other Antigens from Immune Complexes in Serum and Plasma Samples</u> , 217:143-151 (1998)
C49	Stephens, et al., <u>Science</u> , <u>Equine Infectious Anemia Virus gag and pol Genes: Relatedness to Visna and AIDS Virus</u> , 231:589-594 (1986)
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